10336710 MARLETTE LAKE NEAR CARSON CITY, NV

TRUCKEE RIVER BASIN, LAKE TAHOE

LOCATION.--Lat 39°10'22.71", long 119°54'19.84" referenced to North American Datum of 1983, in SW ¼ SE ¼ sec.12, T.15 N., R.18 E., Washoe County, Hydrologic Unit 16050101, in Toiyabe National Forest, on west shore, about 1,000 ft east from left side of dam on Marlette Creek, and 7.5 mi west of Carson City.

DRAINAGE AREA.--2.86 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--Nov 1973 to current year.

REVISED RECORDS.--WDR NV-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is above National Geodetic Vertical Datum of 1929 (spillway elevation furnished in written communication, 1971).

REMARKS.--Lake is formed by earthfill dam across the outlet of a small natural lake (at one time called Goodwin Lake) on Marlette Creek, built in 1873 to provide water for fluming lumber from Spooner Summit to Carson City. The dam was built higher in 1876 and used to divert water by flume and siphon to Virginia City, until the flume was abandoned prior to 1963. The dam was raised to its present elevation in 1959. Present capacity, 11,780 acre-ft at spillway; elevation, 7,838.0 ft. Figures given herein represent total contents. Stored water is used for spawning trout and in dry years is pumped over the mountain to the Hobart system for municipal and domestic use outside the basin in Virginia City and Carson City. Lake freezes over in winter.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded contents, 12,320 acre-ft, Feb 19, 1986, elevation, 7,839.23 ft.; minimum, 10,870 acre-ft, Nov 7, 2002, elevation, 7,835.57 ft.

EXTREMES FOR CURRENT YEAR.-- Maximum contents, 12,100 acre-ft, May 28, elevation, 7,838.72 ft; minimum contents, 10,890 acre-ft, Oct 17, 18, elevation, 7,835.64 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

Elevation	Contents	Elevation	Contents
7,835	10,650	7,838	11,790
7,836	11,030	7,839	12,220
7,837	11,410	7,840	12,650

10336710 MARLETTE LAKE NEAR CARSON CITY, NV—Continued

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	10,960	11,050	11,160	11,440	11,690	11,840	11,940	11,920	12,060	11,980	11,800	11,590
2	10,960	11,050	11,160	11,450	11,680	11,850	11,930	11,920	12,060	11,970	11,790	11,580
3	10,960	11,070	11,160	11,460	11,690	11,850	11,930	11,920	12,060	11,960	11,790	11,570
4	10,950	11,070	11,160	11,460	11,690	11,850	11,920	11,920	12,040	11,960	11,790	11,570
5	10,950	11,070	11,160	11,460	11,690	11,850	11,920	11,950	12,040	11,950	11,780	11,560
6	10,950	11,070	11,170	11,460	11,690	11,840	11,910	11,950	12,030	11,950	11,770	11,550
7	10,950	11,070	11,200	11,500	11,700	11,840	11,910	11,940	12,020	11,950	11,770	11,550
8	10,950	11,080	11,240	11,550	11,700	11,840	11,940	11,950	12,030	11,940	11,770	11,540
9	10,940	11,080	11,240	11,580	11,710	11,840	11,930	11,980	12,030	11,940	11,760	11,530
10	10,930	11,090	11,250	11,600	11,710	11,840	11,930	11,980	12,030	11,930	11,750	11,520
11	10,930	11,090	11,250	11,620	11,710	11,840	11,920	11,970	12,030	11,930	11,740	11,520
12	10,920	11,090	11,250	11,620	11,710	11,840	11,920	11,970	12,020	11,940	11,730	11,510
13	10,920	11,090	11,250	11,620	11,720	11,830	11,910	11,970	12,010	11,930	11,730	11,500
14	10,920	11,100	11,250	11,620	11,720	11,830	11,900	11,970	12,000	11,920	11,720	11,500
15	10,910	11,100	11,250	11,630	11,730	11,830	11,900	11,980	11,990	11,910	11,710	11,490
16	10,910	11,100	11,250	11,630	11,730	11,830	11,900	12,010	12,000	11,900	11,710	11,490
17	10,890	11,100	11,250	11,630	11,730	11,830	11,900	12,010	11,990	11,900	11,710	11,480
18	10,930	11,100	11,250	11,630	11,740	11,830	11,900	12,010	11,990	11,890	11,700	11,470
19	10,970	11,100	11,250	11,630	11,750	11,870	11,910	12,040	12,000	11,880	11,690	11,470
20	11,020	11,070	11,250	11,630	11,780	11,930	11,900	12,050	12,000	11,870	11,680	11,460
21	11,020	11,090	11,250	11,630	11,780	11,930	11,900	12,050	12,000	11,870	11,680	11,470
22	11,010	11,090	11,250	11,630	11,820	11,970	11,900	12,060	12,000	11,870	11,680	11,470
23	11,010	11,090	11,240	11,630	11,820	11,980	11,910	12,060	12,000	11,860	11,660	11,460
24	11,010	11,090	11,250	11,640	11,820	11,970	11,900	12,060	12,000	11,850	11,660	11,440
25	11,000	11,100	11,250	11,650	11,830	11,960	11,900	12,070	12,000	11,840	11,650	11,440
26	11,050	11,100	11,240	11,660	11,830	11,940	11,900	12,070	12,000	11,830	11,650	11,440
27	11,050	11,160	11,250	11,660	11,830	11,960	11,910	12,080	12,000	11,830	11,640	11,440
28	11,060	11,160	11,260	11,680	11,840	11,970	11,920	12,090	12,000	11,830	11,630	11,440
29	11,060	11,160	11,280	11,680	---	11,970	11,910	12,080	11,990	11,830	11,620	11,440
30	11,060	11,160	11,360	11,680	---	11,950	11,920	12,070	11,980	11,820	11,600	11,440
31	11,050	---	11,410	11,690	---	11,940	---	12,070	---	11,810	11,600	---
Max	11,060	11,160	11,410	11,690	11,840	11,980	11,940	12,090	12,060	11,980	11,800	11,590
Min	10,890	11,050	11,160	11,440	11,680	11,830	11,900	11,920	11,980	11,810	11,600	11,440
Elevation, in feet above NGVD 1929, at end of month.												
	7,836.05	7,836.33	7,837.01	7,837.73	7,838.12	7,838.37	7,838.31	7,838.966	7,838.46	7,838.06	7,8373.49	7,837.07
Change in contents, in acre-feet.												
	+90	+110	+250	+280	+150	+100	-20	+150	-90	-170	-210	-160

	Calendar Year 2004	Water Year 2005	Change in contents, in acre-feet
Max	12,000	12,090	-130
Min	10,890	10,890	+480